



IFWO

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/758,397

DATE: 09/16/2004

TIME: 10:34:07

Input Set : A:\PTO.LM.txt

Output Set: N:\CRF4\09162004\J758397.raw

3 <110> APPLICANT: Cohen-Vered, et al., Sharon  
 5 <120> TITLE OF INVENTION: PARENTERAL FORMULATIONS OF PEPTIDES FOR THE TREATMENT OF  
 SYSTEMIC LUPUS

6 ERYTHEMATOSUS  
 8 <130> FILE REFERENCE: 2609/68811-A  
 10 <140> CURRENT APPLICATION NUMBER: 10/758,397  
 11 <141> CURRENT FILING DATE: 2004-01-14  
 13 <160> NUMBER OF SEQ ID NOS: 18  
 15 <170> SOFTWARE: PatentIn version 3.1  
 17 <210> SEQ ID NO: 1  
 18 <211> LENGTH: 20  
 19 <212> TYPE: PRT  
 20 <213> ORGANISM: Artificial Sequence  
 22 <220> FEATURE:  
 23 <223> OTHER INFORMATION: Synthetic peptide based on CDR of mouse autoantibody  
 25 <400> SEQUENCE: 1  
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 28 1 5 10 15  
 31 Glu Trp Ile Gly  
 32 20  
 35 <210> SEQ ID NO: 2  
 36 <211> LENGTH: 20  
 37 <212> TYPE: PRT  
 38 <213> ORGANISM: Artificial Sequence  
 40 <220> FEATURE:  
 41 <223> OTHER INFORMATION: Synthetic peptide based on CDR of mouse autoantibody  
 43 <400> SEQUENCE: 2  
 45 Glu Ile Asn Pro Ser Thr Gly Gly Thr Thr Tyr Asn Gln Lys Phe Lys  
 46 1 5 10 15  
 49 Ala Lys Ala Thr  
 50 20  
 53 <210> SEQ ID NO: 3  
 54 <211> LENGTH: 20  
 55 <212> TYPE: PRT  
 56 <213> ORGANISM: Artificial Sequence  
 58 <220> FEATURE:  
 59 <223> OTHER INFORMATION: Synthetic peptide based on CDR of mouse autoantibody  
 61 <400> SEQUENCE: 3  
 63 Tyr Tyr Cys Ala Arg Phe Leu Trp Glu Pro Tyr Ala Met Asp Tyr Trp  
 64 1 5 10 15  
 67 Gly Gln Gly Ser  
 68 20  
 71 <210> SEQ ID NO: 4  
 72 <211> LENGTH: 19

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73 <212> TYPE: PRT
74 <213> ORGANISM: Artificial Sequence
76 <220> FEATURE:
77 <223> OTHER INFORMATION: Synthetic peptide based on CDR of mouse autoantibody
79 <400> SEQUENCE: 4
81 Gly Tyr Asn Met Asn Trp Val Lys Gln Ser His Gly Lys Ser Leu Glu
82 1           5           10           15
85 Trp Ile Gly
89 <210> SEQ ID NO: 5
90 <211> LENGTH: 17
91 <212> TYPE: PRT
92 <213> ORGANISM: Artificial Sequence
94 <220> FEATURE:
95 <223> OTHER INFORMATION: Synthetic peptide based on CDR of mouse autoantibody
97 <400> SEQUENCE: 5
99 Tyr Tyr Cys Ala Arg Ser Gly Arg Tyr Gly Asn Tyr Trp Gly Gln Thr
100 1           5           10           15
103 Leu
107 <210> SEQ ID NO: 6
108 <211> LENGTH: 19
109 <212> TYPE: PRT
110 <213> ORGANISM: Artificial Sequence
112 <220> FEATURE:
113 <223> OTHER INFORMATION: Synthetic peptide based on CDR of mouse autoantibody
115 <400> SEQUENCE: 6
117 Gly Tyr Tyr Trp Ser Trp Ile Arg Gln Pro Pro Gly Lys Gly Glu Glu
118 1           5           10           15
121 Trp Ile Gly
125 <210> SEQ ID NO: 7
126 <211> LENGTH: 22
127 <212> TYPE: PRT
128 <213> ORGANISM: Artificial Sequence
130 <220> FEATURE:
131 <223> OTHER INFORMATION: Synthetic peptide based on CDR of mouse autoantibody
133 <400> SEQUENCE: 7
135 Tyr Tyr Cys Ala Arg Gly Leu Leu Arg Gly Gly Trp Asn Asp Val Asp
136 1           5           10           15
139 Tyr Tyr Gly Met Asp Val
140           20
143 <210> SEQ ID NO: 8
144 <211> LENGTH: 7
145 <212> TYPE: PRT
146 <213> ORGANISM: Artificial Sequence
148 <220> FEATURE:
149 <223> OTHER INFORMATION: Synthetic peptide based on CDR of mouse autoantibody
151 <400> SEQUENCE: 8
153 Phe Ser Gly Tyr Tyr Trp Ser
154 1           5
157 <210> SEQ ID NO: 9

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## RAW SEQUENCE LISTING

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158 <211> LENGTH: 16
159 <212> TYPE: PRT
160 <213> ORGANISM: Artificial Sequence
162 <220> FEATURE:
163 <223> OTHER INFORMATION: Synthetic peptide based on CDR of mouse autoantibody
165 <400> SEQUENCE: 9
167 Glu Ile Asn His Ser Gly Ser Thr Asn Tyr Lys Thr Ser Leu Lys Ser
168 1          5          10          15
171 <210> SEQ ID NO: 10
172 <211> LENGTH: 18
173 <212> TYPE: PRT
174 <213> ORGANISM: Artificial Sequence
176 <220> FEATURE:
177 <223> OTHER INFORMATION: Synthetic peptide based on CDR of mouse autoantibody
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181 Gly Leu Leu Arg Gly Gly Trp Asn Asp Val Asp Tyr Tyr Tyr Gly Met
182 1          5          10          15
185 Asp Val
189 <210> SEQ ID NO: 11
190 <211> LENGTH: 20
191 <212> TYPE: PRT
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195 <223> OTHER INFORMATION: Synthetic peptide based on CDR of mouse autoantibody
197 <220> FEATURE:
198 <221> NAME/KEY: MISC_FEATURE
199 <222> LOCATION: (5)..(5)
200 <223> OTHER INFORMATION: X= Met, Ala or Val
203 <220> FEATURE:
204 <221> NAME/KEY: MISC_FEATURE
205 <222> LOCATION: (6)..(6)
206 <223> OTHER INFORMATION: X= Gln, Asp, Glu or Arg
209 <220> FEATURE:
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211 <222> LOCATION: (7)..(7)
212 <223> OTHER INFORMATION: X= Trp or Ala
215 <220> FEATURE:
216 <221> NAME/KEY: MISC_FEATURE
217 <222> LOCATION: (8)..(8)
218 <223> OTHER INFORMATION: X= Val or Ser
221 <220> FEATURE:
222 <221> NAME/KEY: MISC_FEATURE
223 <222> LOCATION: (9)..(9)
224 <223> OTHER INFORMATION: X= Lys, Glu or Ala
227 <400> SEQUENCE: 11
W--> 229 Thr Gly Tyr Tyr Xaa Xaa Xaa Xaa Xaa Gln Ser Pro Glu Lys Ser Leu
230 1          5          10          15
233 Glu Trp Ile Gly
234          20

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Input Set : A:\PTO.LM.txt

Output Set: N:\CRF4\09162004\J758397.raw

237 <210> SEQ ID NO: 12  
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 239 <212> TYPE: PRT  
 240 <213> ORGANISM: Artificial Sequence  
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 243 <223> OTHER INFORMATION: Synthetic peptide based on CDR of mouse autoantibody  
 245 <220> FEATURE:  
 246 <221> NAME/KEY: MISC\_FEATURE  
 247 <222> LOCATION: (9)..(9)  
 248 <223> OTHER INFORMATION: X= Thr, Val or Ala  
 251 <220> FEATURE:  
 252 <221> NAME/KEY: MISC\_FEATURE  
 253 <222> LOCATION: (10)..(10)  
 254 <223> OTHER INFORMATION: X= Thr, Val or Ala  
 257 <220> FEATURE:  
 258 <221> NAME/KEY: MISC\_FEATURE  
 259 <222> LOCATION: (11)..(11)  
 260 <223> OTHER INFORMATION: X= Tyr or Phe  
 263 <220> FEATURE:  
 264 <221> NAME/KEY: MISC\_FEATURE  
 265 <222> LOCATION: (12)..(12)  
 266 <223> OTHER INFORMATION: X= Asn or Asp  
 269 <220> FEATURE:  
 270 <221> NAME/KEY: MISC\_FEATURE  
 271 <222> LOCATION: (13)..(13)  
 272 <223> OTHER INFORMATION: X =Gln or Glu  
 275 <220> FEATURE:  
 276 <221> NAME/KEY: MISC\_FEATURE  
 277 <222> LOCATION: (14)..(14)  
 278 <223> OTHER INFORMATION: X= Lys or Glu  
 281 <220> FEATURE:  
 282 <221> NAME/KEY: MISC\_FEATURE  
 283 <222> LOCATION: (15)..(15)  
 284 <223> OTHER INFORMATION: X= Phe or Tyr  
 287 <400> SEQUENCE: 12

W--> 289 Glu Ile Asn Pro Ser Thr Gly Gly Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Lys

290 1 5 10 15

293 Ala Lys Ala Thr

294 20

297 <210> SEQ ID NO: 13

298 <211> LENGTH: 20

299 <212> TYPE: PRT

300 <213> ORGANISM: Artificial Sequence

302 <220> FEATURE:

303 <223> OTHER INFORMATION: Synthetic peptide based on CDR of mouse autoantibody

305 <220> FEATURE:

306 <221> NAME/KEY: MISC\_FEATURE

307 <222> LOCATION: (6)..(6)

308 <223> OTHER INFORMATION: X= Phe, Thr or Gly

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Input Set : A:\PTO.LM.txt

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311 <220> FEATURE:
312 <221> NAME/KEY: MISC_FEATURE
313 <222> LOCATION: (7)..(7)
314 <223> OTHER INFORMATION: X= Leu, Ala or Ser
317 <220> FEATURE:
318 <221> NAME/KEY: MISC_FEATURE
319 <222> LOCATION: (8)..(8)
320 <223> OTHER INFORMATION: X= Trp or Ala
323 <220> FEATURE:
324 <221> NAME/KEY: MISC_FEATURE
325 <222> LOCATION: (9)..(9)
326 <223> OTHER INFORMATION: X= Glu or Lys
329 <220> FEATURE:
330 <221> NAME/KEY: MISC_FEATURE
331 <222> LOCATION: (13)..(13)
332 <223> OTHER INFORMATION: X= Met or Ala
335 <220> FEATURE:
336 <221> NAME/KEY: MISC_FEATURE
337 <222> LOCATION: (14)..(14)
338 <223> OTHER INFORMATION: X= Asp, Lys or Ser
341 <400> SEQUENCE: 13
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      344 1           5           10           15
347 Gly Gln Gly Ser
348           20
351 <210> SEQ ID NO: 14
352 <211> LENGTH: 19
353 <212> TYPE: PRT
354 <213> ORGANISM: Artificial Sequence
356 <220> FEATURE:
357 <223> OTHER INFORMATION: Synthetic peptide based on CDR of mouse autoantibody
359 <220> FEATURE:
360 <221> NAME/KEY: MISC_FEATURE
361 <222> LOCATION: (4)..(4)
362 <223> OTHER INFORMATION: X= Met or Ala
365 <220> FEATURE:
366 <221> NAME/KEY: MISC_FEATURE
367 <222> LOCATION: (5)..(5)
368 <223> OTHER INFORMATION: X= Asn, Asp or Arg
371 <220> FEATURE:
372 <221> NAME/KEY: MISC_FEATURE
373 <222> LOCATION: (6)..(6)
374 <223> OTHER INFORMATION: X= Trp or Ala
377 <220> FEATURE:
378 <221> NAME/KEY: MISC_FEATURE
379 <222> LOCATION: (7)..(7)
380 <223> OTHER INFORMATION: X= Val or Ser
383 <220> FEATURE:
384 <221> NAME/KEY: MISC_FEATURE

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RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/758,397

DATE: 09/16/2004  
TIME: 10:34:08

Input Set : A:\PTO.LM.txt  
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:11; Xaa Pos. 5,6,7,8,9  
Seq#:12; Xaa Pos. 9,10,11,12,13,14,15  
Seq#:13; Xaa Pos. 6,7,8,9,13,14  
Seq#:14; Xaa Pos. 4,5,6,7,8,9,13,14  
Seq#:15; Xaa Pos. 6,7,8,11,12,13  
Seq#:16; Xaa Pos. 1,8,10,12,13,15  
Seq#:17; Xaa Pos. 6,9,10,11,12,13,18,20

## VERIFICATION SUMMARY

PATENT APPLICATION: US/10/758,397

DATE: 09/16/2004

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Input Set : A:\PTO.LM.txt

Output Set: N:\CRF4\09162004\J758397.raw

L:229 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0  
L:289 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0  
L:343 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0  
L:409 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0  
L:463 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0  
L:517 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0  
L:583 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0  
L:587 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:16